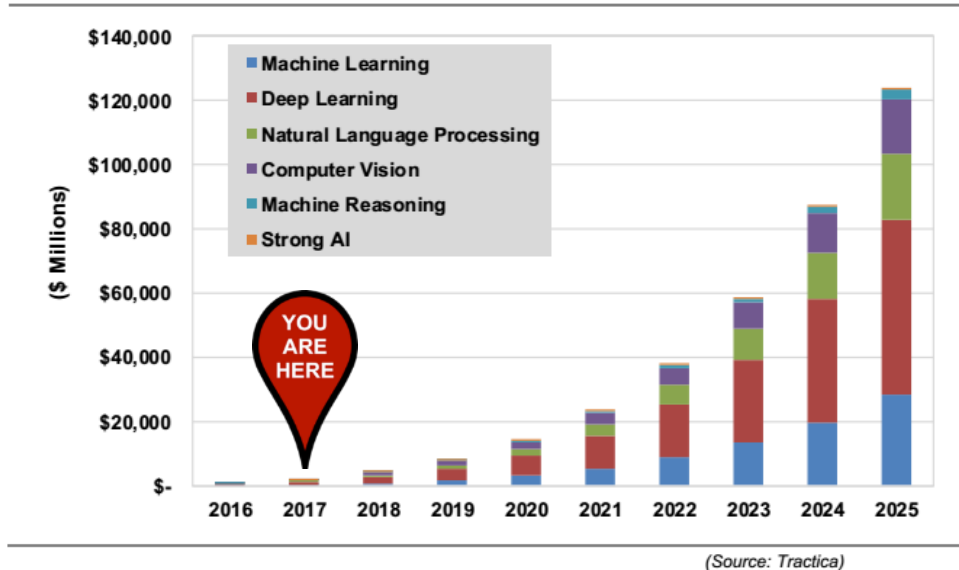




Intel Inside
Safer Children Outside

Dawn of Artificial Intelligence

Chart 3.5 Annual Artificial Intelligence Revenue by Technology, World Markets: 2016-2025

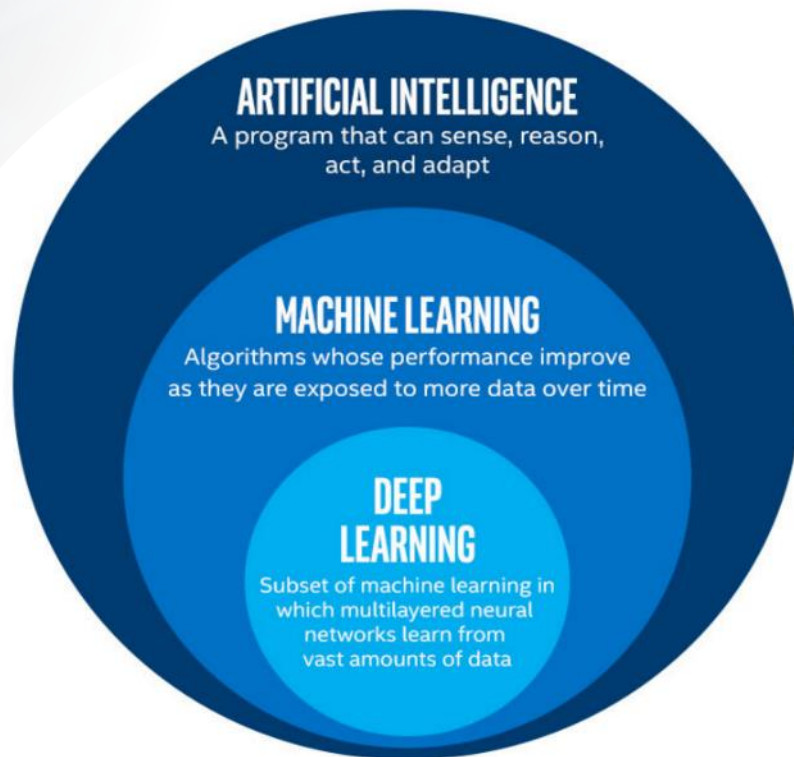


“In the past a lot of S&P 500 CEOs wished they had started thinking sooner than they did about their Internet strategy. I think five years from now there will be a number of S&P 500 CEOs that will wish they’d started thinking earlier about their AI strategy.”

– Andrew Ng
AI luminary

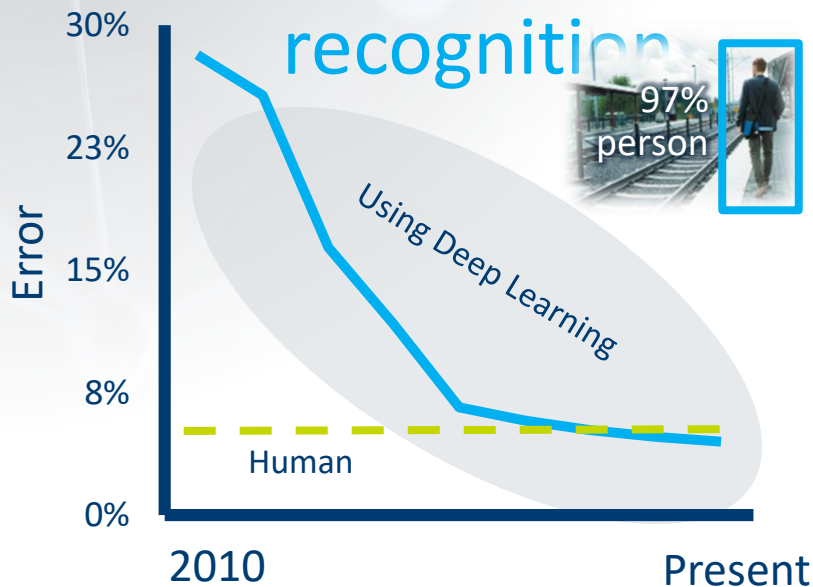
Quote source: <http://fortune.com/ai-artificial-intelligence-deep-machine-learning/>

Artificial intelligence

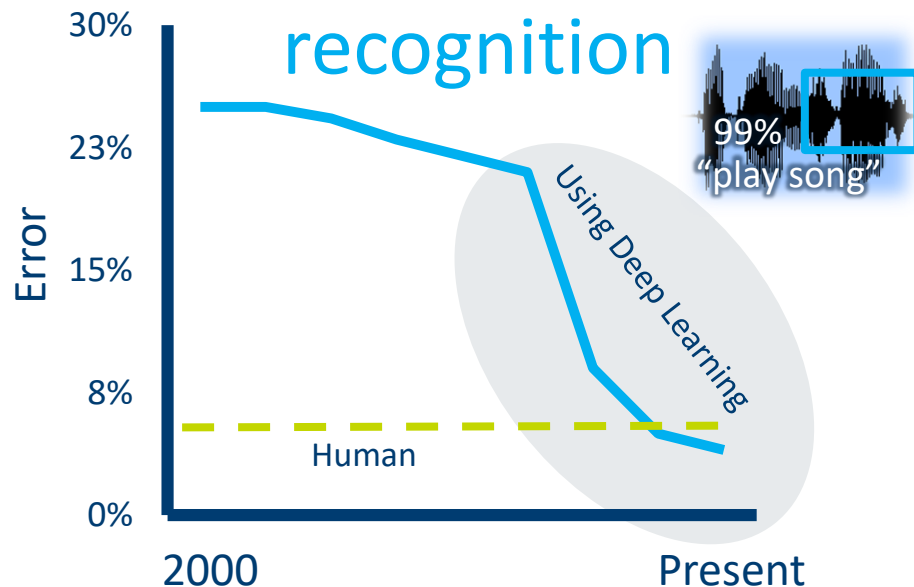


Deep learning breakthroughs

Image recognition



Speech recognition



A photograph of a crowd of people walking, overlaid with a blue tint. The image is used as a background for text.

27 million

men and women are trafficked
internationally every year

The background of the image is a blue-tinted photograph of the Statue of Liberty. The statue is positioned on the left side, with its torch raised high. The base of the statue and the surrounding area are visible. The sky is a clear blue, and the water in the foreground is dark. The overall image has a monochromatic blue color scheme.

2.47
in the United States alone
million

A child wearing a dark hooded garment is positioned on the left side of the frame, looking towards the right. The background is a blurred, blue-toned landscape with hills. The entire image has a strong blue color cast.

Of those U.S. victims,

100 – 300

are children

thousand


A young woman with long, wavy hair is sitting on a set of concrete stairs. She is looking down with a sad or contemplative expression. Her hands are clasped in her lap. She is wearing a dark jacket and light-colored pants. The entire image has a strong blue color overlay, giving it a somber and serious tone.

Most of the sex traffic victims are only

12 - 14 years
old



86% of the trafficking victims are
coming from families with Child
Protection Service involvement...

A photograph of a building facade with graffiti, overlaid with a blue tint and a large white text graphic. The text reads: Less than 1% are ever rescued.

Less than 1% are ever rescued

APPROXIMATELY

79,000

MINORS AND YOUTH
ARE VICTIMS OF
SEX TRAFFICKING
IN TEXAS ★ ★

APPROXIMATELY

234,000

WORKERS ARE
VICTIMS OF
LABOR TRAFFICKING

THERE ARE CURRENTLY AN ESTIMATED

313,000

VICTIMS OF
HUMAN TRAFFICKING
IN TEXAS ★ ★ ★ ★ ★

TRAFFICKERS
EXPLOIT
APPROXIMATELY

\$600 MILLION

FROM VICTIMS OF LABOR TRAFFICKING
★ ★ ★ ★ ★ IN TEXAS

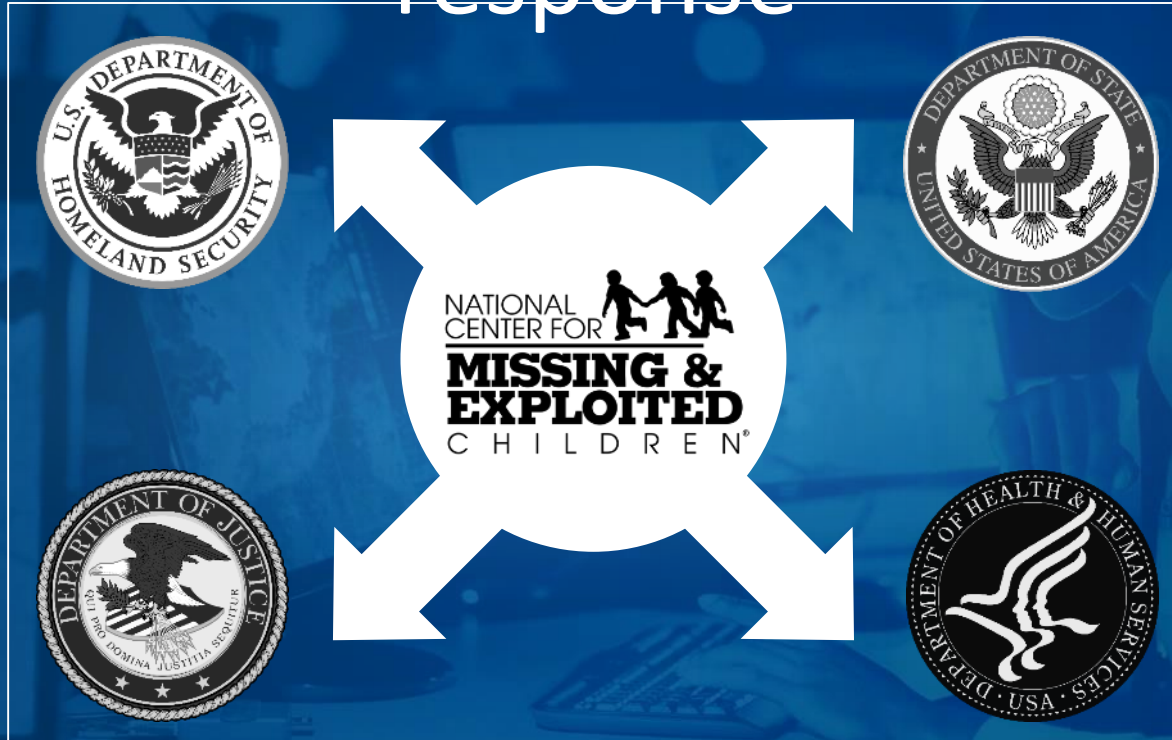
MINOR AND YOUTH
SEX TRAFFICKING COSTS
THE STATE OF
TEXAS
APPROXIMATELY

**\$6.6
BILLION**

Federal Government Stakeholders



NCMEC builds a coordinated national response



National Center for Missing & Exploited Children

\$4

Million

5 DIVISI

Annual Budget

6

Employees



Founded John Walsh and other advocates

19

Headquartered in

ALEXANDRIA
VA VIRGINIA

3

2

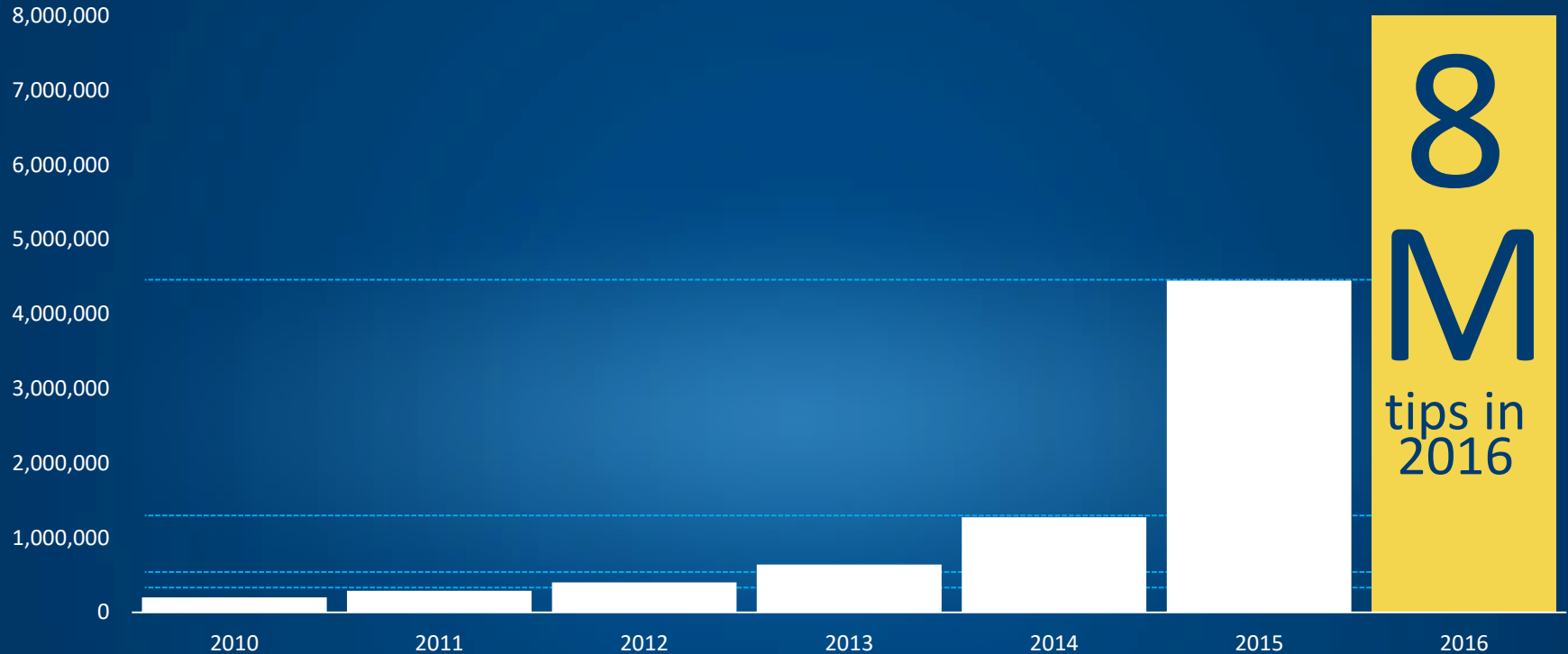
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A hand holding a smartphone, with a blue overlay and bokeh background. The text is overlaid on the image.

75% of sex trafficking victims are sold using

TECHNOL OGY

NCMEC's Flood of Data



7.4M CyberTipline reports

70K Calls to Call Center

19M child pornography images/videos reviewed

8K Professionals trained

20K newly reported missing children

3K non-compliant sex offenders located

8K families provided emotional support

What is private sector doing to help?

Reduce CyberTip data analytics from 30 days to one day with AI

Provide IT consulting with an enterprise data management strategy

Provide guidance on IT Transformation for their data center to address exponential data growth

Partner with NCMEC's tool providers to accelerate image matching capabilities

Thorn

\$2 Million

Innovation Lab Annual Budget

5 Focus areas

AI Tools

Deterrence

Tech company engagement

Hackathons

Innovation Lab

Employees



Founded by Ashton Kutcher and
Lem Moore

2009

Headquartered in

Los Angeles
California



Mission: WE DRIVE TECHNOLOGY INNOVATION TO ELIMINATE CHILD SEXUAL
ABUSE MATERIAL FROM THE INTERNET.

THORN IN FOUR YEARS...

DETERRENCE

2M

Reached over 2M
with deterrence ads

60K

Have sought help

SPOTLIGHT

POWERED BY THORN AND DIGITAL REASONING

6,325

Sex trafficking victims
identified

2,186

Traffickers identified

60%

Time reduction

CHILD FINDER SERVICE



Developing facial
recognition to identify child
sexual abuse victims

solis

37

Children rescued

7

Countries

50%+

Time reduction

INDUSTRY COLLABORATION

Tool for private industry to identify
and remove bad content

Google.org

Microsoft

amazon
web services

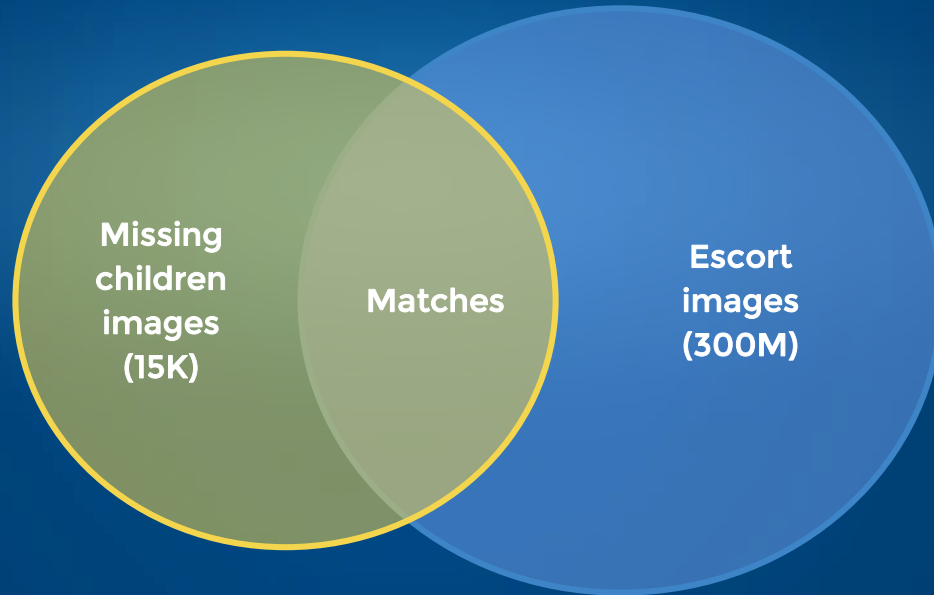
UBER

f

intel

THORN's CHILD FINDER SERVICE

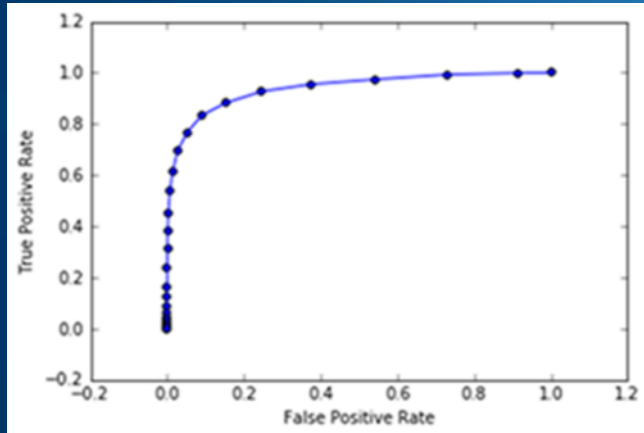
Leverage facial recognition technology and image intelligence to find missing and exploited children faster.



THORN's CHILD FINDER SERVICE



- Accuracy Test Results:
Solid classifier for face recognition
0.92 Area under Curve on tests dataset



- Pilot Run:
All NCMEC cases against 25K
Backpage images → 107 matches. Highest confidence 0.75



Can you
find this
missing
girl?

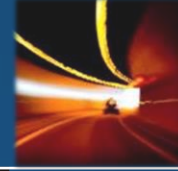


With AI
Assist



Top 3 prospects

Ai is Happening Everywhere...



examples

| Consumer | Health | Finance | Retail | Government | Energy | Transport | Industrial | Other |
|-------------------|----------------------|---------------------|-----------------------|---------------------|-------------------------|--------------------|------------------------|----------------------------|
| Smart Assistants | Enhanced Diagnostics | Algorithmic Trading | Support | Transportation | Oil & Gas Exploration | Autonomous Cars | Factory Automation | Advertising |
| Chatbots | Drug Discovery | Fraud Detection | Experience | HHS | Smart Grid | Automated Trucking | Predictive Maintenance | Gaming |
| Search | Patient Care | Research | Marketing | Public Safety | Operational Improvement | Aerospace | Precision Agriculture | Professional & IT Services |
| Personalization | Research | Personal Finance | Merchandising | Resident Engagement | Conservation | Shipping | Field Automation | Telco/Media |
| Augmented Reality | Sensory Aids | Risk Mitigation | Loyalty | Education | Environmental | Search & Rescue | | Sports |
| Robots | | | Supply Chain Security | Criminal Justice | | | | |

A close-up portrait of a young woman with long, dark hair styled in two braids. She is smiling broadly, looking slightly upwards and to the right. The entire image is overlaid with a semi-transparent blue filter. The text 'THANK YOU' is written in a large, white, sans-serif font across the center of the image, partially obscuring the woman's face.

THANK YOU